

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is a diverse community of educators, students, and researchers from across the country and around the world who work together to advance the boundaries of human knowledge, foster critical thinking skills, promote intellectual inquiry, and develop an understanding of different human cultures necessary to become engaged global citizens.

These goals compel a commitment to creativity and inquiry free of bias and based upon the principles of objective scholarship. They require a responsibility to promote and convey those elements of the liberal arts and sciences that must be essential components of the educational goals of all units of the university. The college seeks richness through diversity of its programs and strength through erudition.

The College of Arts & Sciences is the university's largest and oldest; it teaches the most students, and provides the backbone for Troy University's educational and research missions. As a result, you will find a broad array of academic programs that will pre-

pare you for careers in public and private sectors as well as post-graduate and professional schools. These programs emphasize the core values of a classic liberal arts education, as well as the skills and flexibility one will need to meet the challenges of the 21st-century workplace.

A degree from the College of Arts & Sciences is much more than preparation for a career—it is preparation for a complete, rich, and rewarding life.

In addition to general studies courses, major courses and minor courses, sufficient free electives should be chosen to total at least 120 hours.

As part of ongoing planning and evaluation, the College of Arts and Sciences regularly evaluates student learning outcomes for each degree program.

COLLEGE OF ARTS & SCIENCES GLOBAL SCHOLARS PROGRAM (TROY CAMPUS)

The College of Arts & Sciences (CAS) Global Scholars Program is designed to enhance cultural, global, and international competency among the University's College of Arts & Sciences students who are interested in furthering their own international awareness and global preparedness.

Program benefits include:

- €# Designation of Global Scholar appearing both on student diplomas and transcripts attesting to the graduate's international awareness and global preparedness.
- €# Meaningful international travel experience for the purpose of research abroad in the student's chosen field of study.
- €# Regular interaction with international students on campus at Troy University.
- €# Strong relationships with mentors here at Troy University, which will produce highly trained graduates with the connections needed to compete for jobs and funded graduate programs.
- €# Early registration privileges, allowing CAS Global Scholars to register in the first group of students.

Additional information and a link to the application form can be found on the program website at <https://www.troy.edu/casglobalscholars>.

Requirement 1:

Specified General Studies courses with an international or cultural

meet the admission requirements and be accepted to a partnered institution. Students must take the LSAT exam as part of the admissions requirement. Participating in the Accelerated Law Curriculum does not guarantee acceptance into a law program.

3. Students must successfully complete 30 semester hours of law courses outlined by the partnered institution in order to receive Troy University credit. Those 30 semester hours will be transferred into the chosen major electives, minor electives, and Area V General Studies electives.
4. In addition to completing the major requirements, students must minor in Legal Studies
5. Students will receive both a faculty adviser for their declared

ANT 4498 (3) Anthropological Theory

Select at least 12 hours of additional 3000/4000 level anthropology courses as approved by your faculty adviser

Accelerated Law Curriculum Option:

Students majoring in Anthropology and Legal Studies as a minor may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from the partnered institution will be credited as follows:

9 hours will be applied to the Legal Studies Minor

9 hours will be applied to the Anthropology Major

 Civil Procedure I –3 hours

 Civil Procedure II –3 hours

 Criminal Law –3 hours

12 hours will be applied to Area V General Studies

ANTHROPOLOGY MINOR (18 HOURS)

ANT 2200 (3) Introduction to Anthropology

Select at least 15 hours of additional 3000/4000-level anthropology courses as approved by your faculty adviser.

ARCHAEOLOGY MINOR (18 HOURS)

Required Courses:

A grade of “C” or better is required

ANT 3305 (3) Introduction to Archaeology

ANT 3312 (3) Field Techn/TT0 1 quir as LaTJ0.0006 5c 0.[ANT 33446]-1440 ((3))-1580 (Inchaeolog)7.1 21 cul 30.6 (TeMethodnd L.1 21) Th.1

upon American Council of Education (A.C.E.) credit recommendations or transfer work from regionally accredited (Southern Association of Colleges and Schools, Middle States Association of Colleges and Schools, etc.) post- secondary community college, or technical schools as approved by the Academic Council. Specializations are not available in fields of study that are offered through Troy University as majors, programs, or minors, e.g., nursing, computer science, information

BIO L480 (1) Histology Lab
BIO 4482 (3) Molecular Biology
BIO L482 (1) Molecular Biology Lab

Complete one upper-level adviser-approved biology course and its corresponding lab.

BIOLOGY MINOR (18-20 HOURS)

CHM 3343 (3) Organic Chemistry II
 CHM L343 (1) Organic Chemistry II Lab

OR
 PHY 2262 (3) Physics I with Calculus

Select four additional hours of advanced chemistry courses, such as:

CHM 2242 (3) Analytical Chemistry
 CHM L242 (1) Analytical Chemistry Lab
 CHM 3352 (3) Biochemistry
 CHM L352 (1) Biochemistry Lab

**COMPREHENSIVE GENERAL SCIENCE MAJOR
 (34 HOURS)**

Specialized General Studies Requirements

Area III

BIO 1100 (3) Principles of Biology
 BIO L100 (1) Principles of Biology Lab
 CHM 1142 (3) General Chemistry I
 CHM L142 (1) General Chemistry I Lab
 MTH 1125 (4) Calculus I

Area V

IS 2241 (3) Computer Concepts/Applications
 PHY 2262 (3) Physics I w/Calculus
 PHY L262 (1) Physics I w/Calculus Lab
 SCI 2234 (3) Earth & Space Science
 SCI L234 (1) Earth & Space Science Lab
 TROY 1101 (1) The University Experience

Required Courses:

BIO 2220 (3) Principles of Cell Biology
 BIO L220 (1) Principles of Cell Biology Lab
 BIO 3320 (3) Genetics
 BIO L320 (1) Genetics Lab
 BIO 3347 (3) Human Anatomy & Physiology I
 BIO L347 (1) Human Anatomy & Physiology I Lab
 CHM 1143 (3) General Chemistry II
 CHM L143 (1) General Chemistry II Lab
 CHM 3342 (3) Organic Chemistry I
 CHM L342 (1) Organic Chemistry I Lab
 GEO 3300 (3) Principles of Physical Geography
 STAT 2210 (3) Introductory Statistics
 PHY 2263 (3) Physics II w/Calculus
 PHY L263 (1) Physics II w/Calculus Lab
 PHY 3359 (3) Waves and Optics
 PHY L359 (1) Waves and Optics Lab

COMPUTER PROGRAMMING MINOR (18 HOURS)

CS 2220 (3) Numerical Methods in Computing
 CS 2250 (3) Computer Science I
 CS 2255 (3) Computer Science II
 CS 3323 (3) Data Structures
OR
 CS 3330 (3) Data Structures and Algorithms
 CS 3360 (3) Concepts of Object-Oriented Programming I
 CS 4443 (3) Web Application Development

COMPUTER SCIENCE MINOR (18 HOURS)

CS 2250 (3) Computer Science I
 CS 2255 (3) Computer Science II

Select 12 semester hours of computer science courses with at least one course being at the 4000 level.

COMPUTER SCIENCE PROGRAM (48 HOURS)

Specialized General Studies Requirements

Area III

MTH 1125 (4) Calculus I, in lieu of MTH 1110
 PHY 2252 (3) General Physics I
 PHY L252 (1) General Physics I Lab

GEM 1100 (2) Computer-Aided Drafting I

Requirements:

MTH 1126 (4) Calculus II
 PHY 2262 (3) Physics I w/Calculus
 PHY L262 (1) Physics I w/Calculus Lab
 PHY 2263 (3) Physics II w/Calculus
 PHY L263 (1) Physics II w/Calculus Lab
 EET 2220 (3) Electrical Circuits I
 EET L220 (1) Electrical Circuits I Lab
 EET 2221 (3) Electrical Circuits II
 EET L221 (1) Electrical Circuits II Lab
 EET 3311 (3) Electronic Devices I
 EET L311 (1) Electronic Devices I Lab
 EET 3312 (3) Electronic Devices II
 EET L312 (1) Electronic Devices II Lab
 EET 3315 (3) Digital Logic Circuits
 EET L315 (1) Digital Logic Circuits Lab
 EET 4420 (3) Fundamentals of Microcontrollers
 EET L420 (1) Fundamentals of Microcontrollers Lab
 EET 4421 (3) Introduction to Robotics and Automation
 EET L421 (1) Introduction to Robotics and Automation Lab
 EET 4444 (3) Optical Electronics I
 EET L444 (1) Optical Electronics I CAD Lab
 EET 4445 (3) Optical Electronics II
 EET L445 (1) Optical Electronics II CAD Lab
 EET 4480 (3) Senior Project I Capstone
 EET 4481 (3) Senior Project II Capstone

Select one of the following MTH courses:

MTH 1114 (3) Pre-Calculus Trigonometry
 OR
 MTH 1125 (4) Calculus I

Area V Requirements:

IS 2241 (3) Computer Cofwd(tsw 14.ApplicaTc 0sTH 1125)-74.82 Tm

**ELECTRONICS ENGINEERING TECHNOLOGY
 MINOR (20 HOURS)**

EET 2220 (3) Electrical Circuits I
 EET L220 (1) Electrical Circuits I Lab
 EET 2221 (3) Electrical Circuits II
 EET L221 (1) Electrical Circuits II Lab
 EET 3311 (3) Electronic Devices I
 EET L311 (1) Electronic Devices I Lab
 EET 3312 (3) Electronic Devices II
 EET L312 (1) Electronic Devices II Lab
 EET 4420 (3) Fundamentals of Microcontrollers
 EET L420 (1) Fundamentals of Microcontrollers Lab

ENVIRONMENTAL SCIENCE MINOR (18-20 HOURS)

BIO 1120 (3) Survey of Environmental Sciences
 BIO L120 (1) Survey of Environmental Sciences Lab

Select one of the following BIO lecture/lab course combination:

BIO 1101 (3) Organismal Biology
 BIO L101 (1) Organismal Biology Lab

OR

BIO 2229 (3) General Ecology
 BIO L229 (1) General Ecology Lab

Complete 10-12 additional semester hours of advisor-approved upper-level (3000 or above) biology courses.

ENVIRONMENTAL SCIENCE PROGRAM (54-56 HOURS)

***Special Topics in Biology (BIO 4476), Guided Independent Studies (BIO 4491/4492) and Guided Independent Research (BIO 4493, 4494) may only be taken for a maximum of 6 semester hours.**

Specialized General Studies Requirements**Area III**

BIO 1100 (3) Principles of Biology
 BIO L100 (1) Principles of Biology Lab
 CHM 1142 (3) General Chemistry I
 CHM L142 (1) General Chemistry I Lab

Requirements for the Major

HIS 3375	(3)	Research and Methodology
HIS 4490	(3)	Senior Seminar

Select 18 hours of approved, upper-level European/Asian/African courses

Select 12 hours of approved, upper-level American/Latin American courses.

Accelerated Law Curriculum Option:

Students majoring in History and minoring in Legal Studies may select the Accelerated Law Curriculum Option. See the Accelerated Law Curriculum section the catalog for more information.

The 30 semester hours from partnered institution will be credited as follows:

9 hours will be applied to the Legal Studies Minor

9 hours will be applied to the Anthropology Major

Civil Procedure I –3 hours

Civil Procedure II –3 hours

Criminal Law –3 hours

12 hours will be applied to Area V General Studies

HISTORY MINOR (18 HOURS)

History Majors/Minors will receive credit for no more than six hours of 3000-level and 4000-level history courses taken before or concurrently with HIS 3375.

HIS 3375	(3)	Research and Methodology
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Select 15 hours of upper-level history courses.

Note: HIS 1111 and HIS 1112 or permission of instructor are prerequisites for upper-level American/Latin American history courses. HIS 1101 and HIS 1102 or HIS 1122 and 1123 or permission of instructor are prerequisite for upper-level European /Asian/African history courses.

HOMELAND SECURITY MINOR (18 HOURS)**Required for the minor:**

CJ 3309	(3)	Foundations of Homeland Security
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Select 15 hours from the following as approved by the adviser:

CJ 3335	(3)	Security Operations
CJ 4405	(3)	National Security and the Law
CJ 4406	(3)	Transnational Organized Crime
CJ 4420	(3)	Comparative Criminal Justice
CJ 4440	(3)	Terrorism
CJ 4489-90	(3)	Internship (limit one)
POL 3364	(3)	State and Local Politics
POL 4415	(3)	International Conflict
POL 4422	(3)	Public Policy Making

HUMANITIES MINOR (18 HOURS)

Please see the College of Communication and Fine Arts for details on the Humanities Minor.

INTELLIGENCE MINOR (18 HOURS)**Required for the minor:**

CJ 3308	(3)	Foundations of Intelligence
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Select 15 hours from the following courses:

CJ 3309	(3)	Foundations of Homeland Security
CJ 3350	(3)	Gangs
CJ 3382	(3)	Social Media Investigation
CJ 4406	(3)	Transnational Organized Crime
CJ 4407	(3)	Homicide
CJ 4425	(3)	Violence in America
CJ 4440	(3)	Terrorism
CJ 4456	(3)	Human Trafficking

CJ 4472	(3)	Cyber Crime
CJ 4498	(3)	Criminological Theory

INFORMATION TECHNOLOGY MINOR (18 HOURS)

CS 2250	(3)	Computer Science I
CS 2255	(3)	Computer Science II
OR		
CS 3360	(3)	Concepts of Object-Oriented Programming I
CS 3310	(3)	Foundations of Computer Science
CS 3323	(3)	Data Structures
OR		
CS 3330	(3)	Data Structures and Algorithms

Select two courses from the following:

CS 4420	(3)	Introduction to Database Systems
CS 4445	(3)	Data Communication and Networking
CS 4447	(3)	Systems Analysis and Design
CS 4451	(3)	Computer Security

INTER-CULTURAL COMPETENCY MINOR (18 HOURS)**Required Core Courses: (9 hours)**

ANT 3310	(3)	Cultural Anthropology
POL 2260	(3)	World Politics
POL 4460	(3)	Intercultural Relations

Select 9 hours from the following:

ANT 3340	(3)	Language in Culture and Society
ANT 4411	(3)	High Civilizations of the New World
GEO 2210	(3)	World Regional Geography
GEO 3301	(3)	Principles of Cultural Geography
GEO 3307	(3)	Geography of Europe
POL 4450	(3)	Latin American Politics

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ANT 3333	(3)	Human Osteology
ANT 4435	(3)	Forensic Anthropology
BIO 3320	(3)	Microbiology
BIO L320	(1)	Microbiology Lab
BIO 4405	(3)	Entomology
BIO 4431	(3)	Huan Genetics and Bioinformatics
BIO 4482	(3)	Molecular Biology
BIO L482	(1)	Molecular Biology Lab
CJ 3380	(3)	Digital Forensics I
FSC 3302	(3)	Forensic Science in the Media
FSC 3303	(3)	Death Investigation
FSC 3305	(3)	Criminalistics
PSY 3304	(3)	Abnormal Psychology
PSY 3322	(3)	Abnormal Child Psychology
PSY 3360	(3)	Forensic Psychology

Select 6 hours of upper-level STAT course from the following:

STAT 3355	(3)	Survey Sampling
STAT 4459	(3)	Regression Analysis
STAT 4465	(3)	Categorical Data Analysis
STAT 4466	(3)	Data Mining
STAT 4467	(3)	Experimental Design
STAT 4456	(3)	Mathematics of Finance
STAT 4464	(3)	Multivariate Analysis

Students seeking Alabama teacher certification must select MTH 3325 and MTH 4498 Math Education Capstone

MATHEMATICS AND PHYSICS DOUBLE MAJOR

Students seeking a double major in Mathematics and Physics should consult with their advisers in both the Mathematics and Physics Departments.

MATHEMATICS MINOR (18 HOURS)

MTH 1125	(4)	Calculus I
MTH 1126	(4)	Calculus II
MTH 2227	(4)	Calculus III
MTH 3331	(3)	Linear Algebra

Select an additional three hours of math or STAT courses at the 3000 level and above, other than those courses whose catalog description declares that they do not count toward the major or minor.

STATISTICS MINOR (18 HOURS)

Requirements for Minor:

STAT 2210	(3)	Introductory Statistics
STAT 3350	(3)	Statistical Methods and Computations
STAT 4451	(3)	Mathematical Statistics I

Select 9 hours from the following:

STAT 3355	(3)	Survey Sampling
STAT 4452	(3)	Mathematical Statistics II
STAT 4459	(3)	Applied Regression Analysis
STAT 4465	(3)	Categorical Data Analysis
STAT 4466	(3)	Statistical Data Mining
STAT 4467	(3)	Experimental Design
STAT 4456	(3)	Mathematics of Finance
STAT 4464	(3)	Multivariate Analysis

MEDICAL STUDIES MINOR (19 HOURS)

CHM 1142	(3)	General Chemistry I
CHM L142	(1)	General Chemistry I Lab
BIO 3347	(3)	Human Anatomy & Physiology I
BIO L347	(1)	Human Anatomy & Physiology I Lab
BIO 3348	(3)	Human Anatomy & Physiology II
BIO L348	(1)	Human Anatomy & Physiology II Lab
BIO 3372	(3)	Microbiology
BIO L372	(1)	Microbiology Lab

Select one course from the following:

SOC 2275	(3)	Introduction to Sociology
KHP 3352	(3)	Kinesiology
POL 2241	(3)	American National Government
PSY 2200	(3)	General Psychology

MILITARY OPERATIONS MINOR (18 HOURS)

Military electives may be taken from credit recommended by the American Council on Education (ACE) or military credit from regionally accredited institutions. Students transferring in less than 18 credit hours in non-duplicated ACE recommended military credits may take additional advisor approved, upper-level courses as needed. Any excess military credit may go towards a second minor in Military Studies under the Bachelor of Interdisciplinary Studies Program, towards Option II of the BAS-Resource Technology Management Program, or towards the student's free electives requirement if needed.

MILITARY STUDIES MINOR (18 HOURS)

Military electives may be taken from credit recommended by the American Council on Education (ACE) or military credit from regionally accredited institutions. Military Studies minors may only be declared as a second minor within the Bachelor of Interdisciplinary Studies degree program and follow the same guidelines as the Military Operations minor. Any excess military credit may go towards the student's free electives requirement if needed.

MILITARY SCIENCE LEADERSHIP MINOR (19-22 HOURS)

Area II Requirements:

6 hours must be philosophy (PHI) courses.

PHI 3301	(3)	Western Philosophy
PHI 3310	(3)	Applied Ethics
PHI 3320	(3)	Non-Western Philosophies
PHI 3322	(3)	Philosophy of Religion
PHI/HIS 3365	(3)	Bioethics in Historical Context
PHI 3380	(3)	Travel Study in Philosophy
PHI 4493-94	(3)	Guided Independent Study
PHI 4495	(3)	Selected Topics in Philosophy
PHI 4499	(1-3)	Internship in Philosophy
REL 3380	(3)	Travel Study in Religion
REL 4499	(1-3)	Internship in Religion
ANT 3340	(3)	Language in Culture and Society
ANT 3360	(3)	Magic, Witchcraft, and Religion
CLA 3311	(3)	Civilization of Greece
HIS 3302	(3)	History of Religion in the United States
HIS 3331	(3)	Western Thought since the 17th Century
HIS 4452	(3)	History of the Medieval Middle East
HIS 4453	(3)	History of the Modern Middle East

POL 4467 (3) Asian Politics
POL 4468 (3) Russian Politics
POL 4470 (3) European Politics
POL 4474 (3) Terrorism and Political Violence

